

2570
1009

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#4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/835,371DATE: 10/16/2001
TIME: 15:21:49Input Set : A:\24811741.app
Output Set: N:\CRF3\10162001\I835371.raw

3 <110> APPLICANT: UHLMANN, Eugen
 4 BREIPOHL, Gerhard
 5 WILL, David W
 7 <120> TITLE OF INVENTION: POLYAMIDE NUCLEIC ACID DERIVATIVES, AND AGENTS AND
 8 PROCESSES FOR PREPARING THEM
 10 <130> FILE REFERENCE: 02481.1743 SEQUENCE LISTING
 c--> 12 <140> CURRENT APPLICATION NUMBER: US/09/835,371
 c--> 13 <141> CURRENT FILING DATE: 2001-04-17
 15 <160> NUMBER OF SEQ ID NOS: 53
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
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 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 26 of PNA targeting viral or cellular targets
 28 <400> SEQUENCE: 1
 29 gcgtttgtctc ttctttttgc g 21
 32 <210> SEQ ID NO: 2
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 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
 39 of PNA targeting CMV
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 42 acaccacaatt ctgaaaatgg 20
 45 <210> SEQ ID NO: 3
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 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
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 60 <212> TYPE: DNA
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 63 <220> FEATURE:
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 65 of PNA targeting CMV
 67 <400> SEQUENCE: 4
 68 gcgggggtcc atgggggtcg 20
 71 <210> SEQ ID NO: 5

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72 <211> LENGTH: 15
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74 <213> ORGANISM: Artificial Sequence
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77 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
78   of PNA targeting CMV
80 <400> SEQUENCE: 5
81   cagctgcaac ccagc 15
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 11
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
91   of PNA targeting CMV
93 <400> SEQUENCE: 6
94   tattcogtca t 11
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 22
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence ✓
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
104   of PNA targeting CMV
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107   ttccgtcatc gctcctcagg gg 22
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 15
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence ✓
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
117   of PNA targeting CMV
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120   ggctgccatg gtccc 15
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 21
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence ✓
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
130   of PNA targeting CMV
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133   ggctgctgga gcggggcaca c 21
136 <210> SEQ ID NO: 10
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138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
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142 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
143   of PNA targeting CMV ✓
145 <400> SEQUENCE: 10
146 aacgttgagg ggcac                                     15
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150 <211> LENGTH: 18
151 <212> TYPE: DNA
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154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
156   of PNA targeting CMV
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159 gtgccgggggt cttcgagg                                     18
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 17
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence ✓
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
169   of PNA targeting CMV ✓
171 <400> SEQUENCE: 12
172 cgagaacatc atcgagg                                     17
175 <210> SEQ ID NO: 13
176 <211> LENGTH: 21
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence ✓
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
182   of PNA targeting CMV ✓
184 <400> SEQUENCE: 13
185 ggagaacatc atggtcgaaa g                               21
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 22
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence ✓
193 <220> FEATURE:
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195   of PNA targeting CMV ✓
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203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence ✓
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence
208   of PNA targeting CMV ✓
210 <400> SEQUENCE: 15
211 ggggaaagcc cggcaagggg                               20

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214 <210> SEQ ID NO: 16
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223 <400> SEQUENCE: 16
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227 <210> SEQ ID NO: 17
228 <211> LENGTH: 18
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
234   of PNA targeting CMV
236 <400> SEQUENCE: 17
237   gggactccgg cgcagcgc
240 <210> SEQ ID NO: 18
241 <211> LENGTH: 20
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
247   of PNA targeting CMV
249 <400> SEQUENCE: 18
250   ggcaaaacttt ctttctctc
253 <210> SEQ ID NO: 19
254 <211> LENGTH: 19
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
260   of PNA targeting CMV
262 <400> SEQUENCE: 19
263   gggaaggagg aggatgagg
266 <210> SEQ ID NO: 20
267 <211> LENGTH: 21
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: base sequence ✓
273   of PNA targeting CMV
275 <400> SEQUENCE: 20
276   ggcagtcatc cagcttcgga g
279 <210> SEQ ID NO: 21
280 <211> LENGTH: 18
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence

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284 <220> FEATURE:
285 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base sequence~~
286 of PNA targeting CMV
288 <400> SEQUENCE: 21
289 tctcccagcg tgcgccat 18
292 <210> SEQ ID NO: 22
293 <211> LENGTH: 19
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base sequence~~
299 of PNA targeting CMV
301 <400> SEQUENCE: 22
302 gcgctgatag acatccatg 19
305 <210> SEQ ID NO: 23
306 <211> LENGTH: 12
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base sequence~~
312 of PNA targeting CMV
314 <400> SEQUENCE: 23
315 ggaggcccca cc 12
318 <210> SEQ ID NO: 24
319 <211> LENGTH: 12
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base sequence~~
325 of PNA targeting CMV
327 <400> SEQUENCE: 24
328 ggtttcggag gc 12
331 <210> SEQ ID NO: 25
332 <211> LENGTH: 12
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base sequence~~
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341 tggtaggaggt ag 12
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346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Description of Artificial Sequence: ~~base sequence~~
351 of PNA targeting CMV
353 <400> SEQUENCE: 26

VERIFICATION SUMMARY

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Input Set : A:\24811741.app

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date